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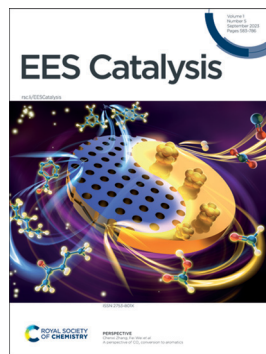
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See Sangaraju Shanmugam *et al.*, pp. 645–664.  
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### Inside cover

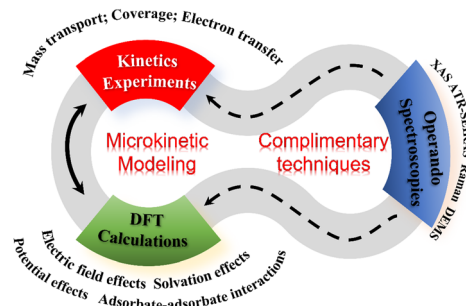
See Chenxi Zhang, Fei Wei *et al.*, pp. 677–686.  
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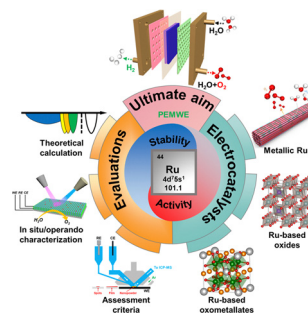
Xiaofei Lu, Keisuke Obata and Kazuhiro Takanabe\*



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### Strategies for the design of ruthenium-based electrocatalysts toward acidic oxygen evolution reaction

Liqiang Hou, Xiumin Gu, Xuemei Cui, Jiachen Tang, Zijian Li, Xien Liu\* and Jaephil Cho\*



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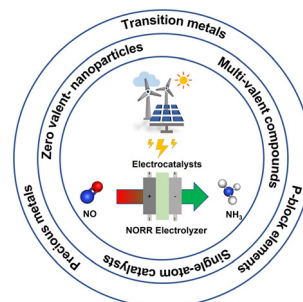


## REVIEWS

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Recent advances in electrocatalytic  $\text{NO}_x$  reduction into ammonia

Harish Reddy Inta, Dinesh Dhanabal, Sridhar Sethuram Markandaraj and Sangaraju Shanmugam\*

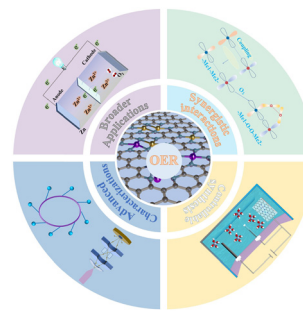


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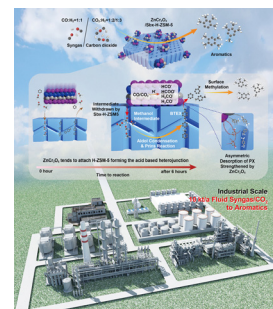
Xiaobo Zheng, Jiarui Yang and Dingsheng Wang\*



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A perspective of  $\text{CO}_x$  conversion to aromatics

Guo Tian, Xiaoyu Liang, Hao Xiong, Chenxi Zhang\* and Fei Wei\*



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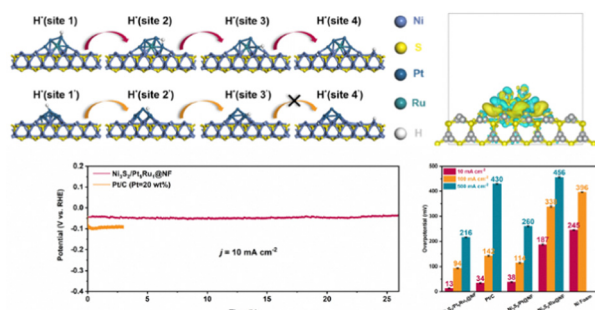
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A review of II–VI semiconductor nanoclusters for photocatalytic  $\text{CO}_2$  conversion: synthesis, characterization, and mechanisms

Kai Li, Junjun Ge, Enhao Li, Zhe Li, Hua Wang, Yuanyuan Wang,\* Yang Zhou\* and Jun-Jie Zhu\*



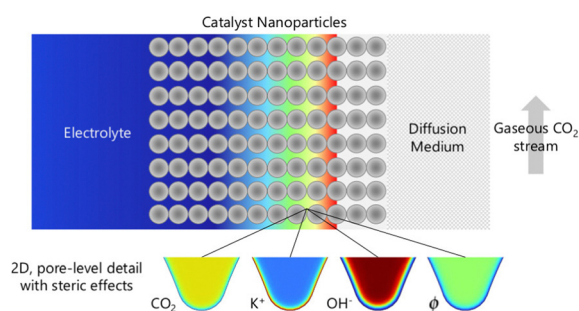
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### Hydrogen spillover in Pt<sub>5</sub>Ru<sub>1</sub> nanoalloy decorated Ni<sub>3</sub>S<sub>2</sub> enabling pH-universal electrocatalytic hydrogen evolution

Zuxi Yu, Xianhong Rui and Yan Yu\*

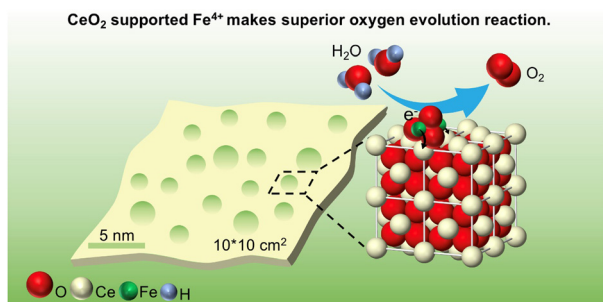
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### Pathways to enhance electrochemical CO<sub>2</sub> reduction identified through direct pore-level modeling

Evan F. Johnson, Etienne Boutin, Shuo Liu and Sophia Haussener\*

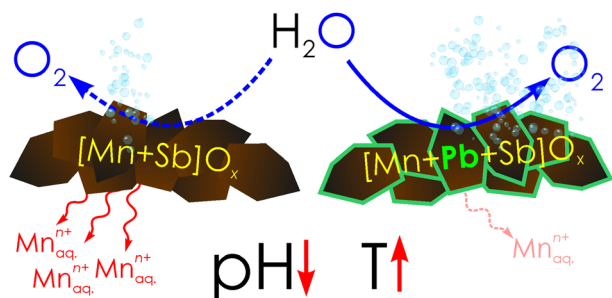
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### CeO<sub>2</sub> supported high-valence Fe oxide for highly active and stable water oxidation

Hongzhi Liu, Jun Yu,\* Jinghuang Lin, Bin Feng, Mingzi Sun, Chen Qiu, Kun Qian, Zhichun Si, Bolong Huang,\* Jean-Jacques Delaunay, Yuichi Ikuhara and Shihe Yang\*

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### High performance acidic water electrooxidation catalysed by manganese–antimony oxides promoted by secondary metals

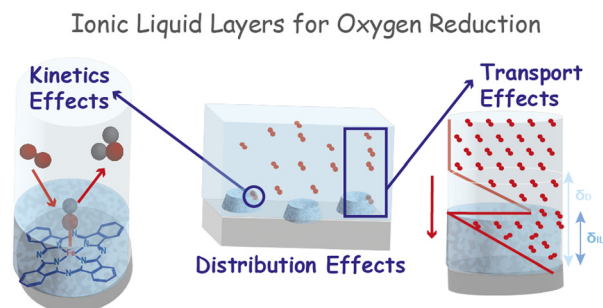
Sibimol Luke, Manjunath Chatti, Darcy Simondson, Khang N. Dinh, Brittany V. Kerr, Tam D. Nguyen, Gamze Yilmaz, Bernt Johannessen, Douglas R. MacFarlane, Aswani Yella,\* Rosalie K. Hocking\* and Alexandr N. Simonov\*



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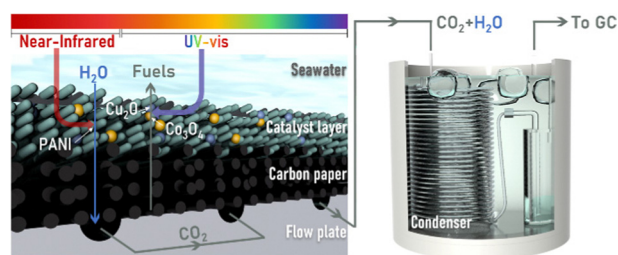
Silvia Favero, Ifan E. L. Stephens\* and Maria-Magdalena Titirici\*



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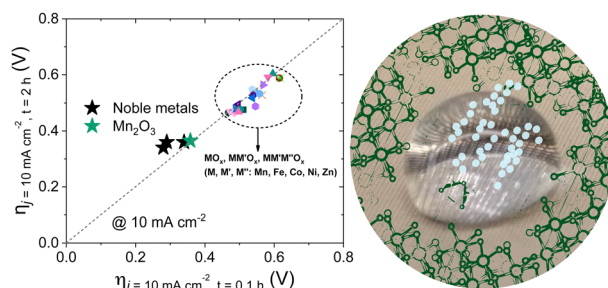
Yuting Yin, Wenhao Jing, Haoran Qiu, Feng Wang, Ya Liu\* and Liejin Guo\*



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## A survey of Earth-abundant metal oxides as oxygen evolution electrocatalysts in acidic media (pH < 1)

Jiahao Yu, Stefano Giancola, Bahareh Khezri, David Nieto-Castro, Jesús Redondo, Frederik Schiller, Sara Barja, Maria Chiara Spadaro, Jordi Arbiol, Felipe A. Garcés-Pineda\* and José Ramón Galán-Mascarós\*



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## Identification of non-metal single atomic phosphorus active sites for the CO<sub>2</sub> reduction reaction

Hong Bin Yang, Cong-Qiao Xu, Sambath Baskaran, Ying-Rui Lu, Chengding Gu, Wei Liu, Jie Ding, Jincheng Zhang, Qilun Wang, Wei Chen, Jun Li\*, Yanqiang Huang, Tao Zhang and Bin Liu\*

